

**AMENDMENTS TO THE CLAIMS**

This listing of the claims will replace all prior versions and listing of claims in the application:

Claim 1 (currently amended): An isolated polypeptide up to 20 amino acids in length, which comprises a subsequence: SRFEVW (SEQ ID NO: 22), wherein said peptide causes 50% bundled actin and inhibits actin depolymerization when polymerized in vitro with actin.

Claim 2 (previously presented): An isolated polypeptide in accordance with claim 1, comprising the formula: X<sub>4</sub>-X<sub>3</sub>-X<sub>2</sub>-X<sub>1</sub>-X<sub>5</sub>-X<sub>6</sub>, where

X<sub>1</sub> is SRFEVW,

X<sub>2</sub> is WI,

X<sub>3</sub> is GIVRK,

X<sub>4</sub> is EN,

X<sub>5</sub> is PYL, and

X<sub>6</sub> is KK,

wherein the polypeptide comprises X<sub>1</sub> and at least one of X<sub>2</sub> or X<sub>5</sub>, and optionally at least one of X<sub>3</sub>, X<sub>4</sub>, and X<sub>6</sub>, wherein when X<sub>2</sub>, X<sub>3</sub>, X<sub>4</sub>, X<sub>5</sub> and X<sub>6</sub> are present, the amino acids are identical in their respective positions to those in ENGIVRKWISRFEVWPYLLKK (SEQ ID NO: 24) .

Claim 3 (currently amended): A An isolated polypeptide of claim 1 which is up to 20 amino acids in length.

Claim 4 (currently amended): An isolated polypeptide of claim 1, wherein the peptide is at least 80% homologous with SEQ ID NOS: 1, 2, 3 or 4, and said homology is over the entire length of the peptide; ~~or, and~~

wherein said peptide causes 50% bundled actin and inhibits actin depolymerization when polymerized in vitro with actin at a molar ratio of 100 to 1; ~~or,~~

~~— wherein the peptide is at least 80% homologous with SEQ ID NOS: 2, 3 or 4, and said homology is over the entire length of the peptide, and wherein said peptide causes actin bundling and inhibits actin depolymerization when polymerized in vitro with actin.~~

Claims 5-7 (cancelled).

Claim 8 (currently amended): An isolated polypeptide in accordance with claim 37, wherein the peptide is polymerized with actin at a molar ratio of peptide to actin of at least 100:1.

Claim 9 (currently amended): An isolated polypeptide of claim 35, wherein the sequence is SEQ ID NO: 12.

Claim 10 (cancelled).

Claim 11 (previously presented): A method for causing actin bundling and inhibition of actin depolymerization in a cell comprising the step of delivering to said cell an effective amount of an isolated peptide which comprises a subsequence: SRFEVW (SEQ ID NO: 22).

Claim 12 (currently amended): The method of claim 11, wherein the isolated peptide comprises at least 16 contiguous amino acids in accordance with the formula:

$X_4-X_3-X_2-X_1-X_5-X_6$ , where

$X_1$  is SRFEVW,

$X_2$  is WI,

$X_3$  is GIVRK,

$X_4$  is EN,

$X_5$  is PYL, and

$X_6$  is KK,

wherein the isolated peptide comprises  $X_1$  and optionally at least one of  $X_2$ ,  $X_3$ ,  $X_4$ ,  $X_5$  and  $X_6$ , and if any of  $\underline{X_2X_2}$ ,  $X_3$ ,  $X_4$ ,  $X_5$  and  $X_6$  are present, the amino acids are identical in their respective positions to those in ENGIVRKWISRFEVWPYLLKK (SEQ ID NO: 24) and said peptide inhibits actin depolymerization when polymerized in vitro with actin.

Claim 13 (previously presented): A method of inhibiting growth of cells, where the method comprises administering to the cells an amount of the isolated peptide having the sequence of SEQ ID NO:26, wherein said peptide causes actin bundling and inhibits actin depolymerization.

Claim 14 (previously presented): The method of claim 13, wherein said isolated peptide comprises a sequence:

EH\*GIV\*R\*-W---- V\* W (SEQ ID NO:27), where H\* means H or a conservative substitution therefore, V\* means V or a conservative substitution therefore, and R\* means R or a conservative substitution therefore, and - means any amino acid, wherein said peptide causes actin bundling and inhibits actin depolymerization.

Claim 15 (previously presented): The method of claim 13, wherein said isolated peptide is SEQ ID NO: 10 or SEQ ID NO: 12.

Claim 16 (previously presented): The method of claim 13, wherein the administration of said isolated peptide results in about 50% of bundled actin in a molar fraction of peptide to actin of at least 100 to 1.

Claim 17 -19 (cancelled).